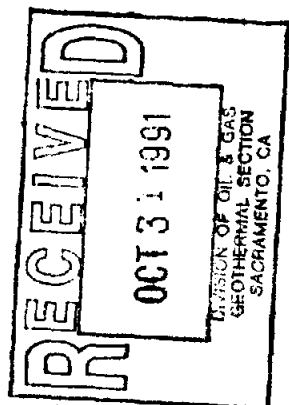


Well History

H.L. POWER CO.
"Wen" 1
(035-90064)
13/29N/15E MD B&M

Location: Wendel, California
Prepared By: Louis E. Capuano, Jr.
Page 1 of 4 pages.

Date	Depth	Operations
8-2-91	5,800'	Arrive on location at 7:00 AM and leveled ground around wellhead for subbase of rig. Moved Graham Drilling Workover Rig No. 2 onto location and started rigging rig up over well. Nippled up master valve and had Cooper Oil Tools Representative remove 7" casing slips. Install and nipped up blow out preventer stack and function test same. Pick up fishing tools and 4 - 3-1/8" drill collars. Rigged up to pick up 2-3/8" drill pipe. Shut down at 7:00 PM for the night.
8-3-91	5,800'	Picked up 2-3/8" drill pipe and ran in hole to top of fish at 3240' indicating that liner is 60' off bottom. Engaged fish with 7" casing spear and started to jar of same. Weight indicator not operating properly. Shut down to wait on new weight indicator. Waited 1.5 hours for new indicator to arrive. Installed same and continued to jar on fish. Unsuccessful in pulling fish free. Release spear from fish and pulled out of hole and hooked up flowline. Shut down at 6:00 PM for night and wait on wireline unit to arrive in morning.
8-4-91	5,800'	Started up at 7:00 AM and rigged up Cogco Wireline. Ran in hole with collar locator for check run to determine how deep the 7" liner is open. 7" liner was found to be open down to 5618' (122' from bottom of 7"). Ran in hole with jet cutter on wireline and shot 7" casing at 5538'. Pulled out of hole and rigged down wireline unit. Ran in hole with 7" casing spear on 2-3/8" drill pipe and engaged 7" liner at 3240'. Attempted to pull liner, unsuccessful. Released spear from liner and pulled out of hole with same. Rigged up Wireline unit and ran in hole with jet cutter and shot liner at 5480'. Pulled out of hole with wireline and ran back with 7" spear on drill pipe and engaged liner again. Still unsuccessful in pulling liner free. Released spear and pulled out of hole. Shut down at 7:00 PM for night.



Depth

1000'

2000'

3000'

4000'

5000'

6000'

7000'

8000'

Ground Level

20" casing set at 95'

10-3/4" casing set from 186
to 764'

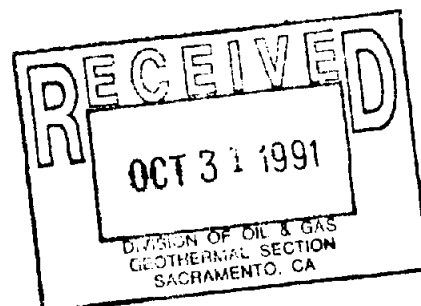
13-3/8" casing set in a 17-1/2"
hole to 1016'

7" casing set and cemented from
Baker Packer set at
2669' back up to surface

9-5/8" liner set in a 12-1/4"
hole from 764' to 5068'

7" casing fish left in 8-3/4"
hole from 5385' to 5740'
with cuts at 5480', 5538'

8-3/4" open hole to total depth
of 5800'



TSI
ThermaSource

H.L. POWER CO.
"Wen" 1
(035-90064)
13/29N/15E MD B&M

DRAWN

FOR: H.L. Power

BY: LEC

DATE: 8-19-91

SCALE: 1"=1000'

DRAWING No.

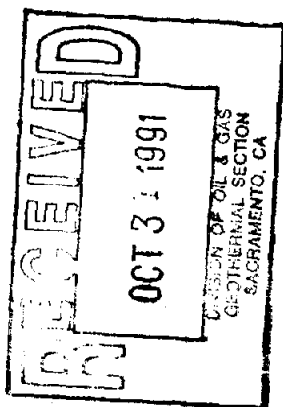
Completed Well Profile
7" casing set and cemented from 0 to 2669'

Well History

H.L. POWER CO.
"Wen" 1
(035-90064)
13/29N/15E MD B&M

Location: Wendel, California
Prepared By: Louis E. Capuano, Jr.
Page 3 of 4 pages.

Date	Depth	Operations
8-7-91	continued	<u>Casing Detail</u> 6.40' Baker Packer 36.73' 7" 23 ppf., K-55, Buttress (1 joint) casing with insert float (upside down) on bottom between packer and casing and insert float (right side up) on top of this bottom joint. 2656.55' 7" 23 ppf., K-55, Buttress (80 joints) casing. ----- 2669.35' Rigged down Halliburton and shut down rig at 11:00 PM for night while waiting on cement.
8-8-91	5,800'	Pressure up on annulus to 500 psi. and it bleed back to 450 psi in 15 minutes, unable to pump fluid away. Called for Halliburton Logging unit to run Cement Bond Log and ordered out more cement to perform top cement job on annulus. Located 1" pipe to run into annulus to perform top cement job. Shut down rig at 7:00 PM for night. Graham Toolpusher, ThermaSource representative and Halliburton Logging unit returned to rig at 10:00 PM to rig up and run Cement Bond Log so as to be ready to cement first thing in the morning if necessary. After running Bond Log located top of cement in annulus approximately 760'. Good cement from 760' down to packer at 2662'. Completed logging at 2:30 AM 8-9-91.
8-9-91	5,800'	Ran in hole with 1" pipe to 380' into annulus and rigged up Halliburton. Mixed and pumped slowly 92 sacks (149 Cubic Feet) of Class G cement blended with 40% silica flour and 1.0% CaCl ₂ . (Enough cement to fill 497 linear feet of annulus). Shut down and wait on cement. Had good returns through cement placement. No Losses. Cement in place at 11:00 AM. Waited 2 hours and performed another cement job. mixed and pumped 55 sacks (89 Cubic Feet, enough to fill 297 linear feet of annulus) of Class G



CASING TALLY SHEET

FIELD _____ PROPERTY _____ H. L. POWER CO. -
 SIZE 7 O.D. WT. 23 #/FT. THREADS 8RND L "Wen" 1 -
 COUPLINGS: TYPE _____ MAX. O.D. _____ (035-90064) -
 13/29N/15E MD B&M -
 DELIVERED: JTS. _____ USED _____ JOINTS _____
 SHOE: DEPTH _____ MAKE & TYPE _____ LENGTH _____
 FLOAT COLLAR: DEPTH _____ MAKE & TYPE _____ LENGTH _____
 AUXILIARY EQUIPMENT & DEPTHS _____

JOINT	MEASUREMENTS				REMARKS SHOW CENTRALIZER & SCRATCHER DEPTHS	JOINT	MEASUREMENTS				REMARKS SHOW CENTRALIZER & SCRATCHER DEPTHS
	RACK-LENGTH		MADE-UP LENGTH				RACK-LENGTH		MADE-UP LENGTH		
	FEET	TENTHS	FEET	TENTHS			FEET	TENTHS	FEET	TENTHS	
1	36	73	31	82	Bt re.	1	28	95	29	53	
2	30	18	30	64		2	33	44	30	19	
3	32	37	27	57		3	29	72	31	41	
4	29	48	30	84		4	30	50	32	00	
5	30	55	31	16		5	32	01	31	50	
6	28	32	31	02		6	31	02	31	77	
7	34	19	31	55		7	33	50	32	57	
8	31	78	30	65		8	32	69	42	70	
9	32	74	31	30		9	32	48	40	35	
0	30	02	28	90		0	31	27	40	90	
TOTAL A		316.36	305.45			TOTAL C		315.58	342.92		

1	31	84	32	23		1	32	53	41	75	
2	31	78	32	35		2	32	38	38	64	
3	31	72	31	15		3	34	19	40	19	
4	29	33	32	30		4	32	69	40	78	
5	32	90	32	36		5	31	19	42	33	
6	31	39	31	28		6	30	49	41	66	
7	29	62	28	15		7	30	38	40	85	
8	28	58	32	12		8	31	78	39	50	
9	27	80	30	90		9	32	06	38	31	
0	31	73	28	93		0	32	60	40	81	
TOTAL B 306.69				311.77		TOTAL D 320.29				404.82	

TOTALS	TOTAL THIS TYPE CASING		REMARKS	TOTAL	TOTAL ALL CASING		ADDED BY	CHECKED BY
	RACK	MADE UP			RACK	MADE UP		
TOTAL A			PACHER	BRT. FWD.				
TOTAL B			6.40	PAGE TOTAL				
TOTAL C				GR. TOTAL	2662.95			
TOTAL D				REMARKS PACHER	6.40			
PAGE TOTAL					2669.35			
BRT. FWD.								
TOTAL								

NOTE: START NEW SHEET FOR EACH DIFFERENT GRADE OR WEIGHT OF CASING

